

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A foam- and air-stabilized watercraft for use on a body of water, the watercraft comprising:

- (a) a rigid hull with a bow, stern, bottom, and two sides; and
- (b) foam and air stabilizers mounted on the exterior of said hull and extending along at least some portion of each of said sides from said transom to said bow, said foam and air stabilizers extending outward from said sides, said foam and air stabilizers further comprising one or more water- and air-tight bladders partially filled with pliable closed-cell foam.

2. The watercraft of Claim 1, further comprising a pliable protective material covering the exterior surface of the water- and air-tight bladders.

3. The watercraft of Claim 2, further comprising a zipper in the pliable protective material.

4. The watercraft of Claim 1, wherein the foam is a closed-cell polypropylene or polyethylene foam.

5. The watercraft of Claim 1, wherein the water- and air-tight bladders further comprise one or more internal fabric panels holding the foam in place within said water- and air-tight bladders.

6. The watercraft of Claim 1, wherein the water- and air-tight bladders further include one or more air valves in the skin of said bladders, permitting the inflation and deflation of said bladders.

7. The watercraft of Claim 2, further comprising one or more lipped channels mounted to the sides of the hull, one or more flaps of the pliable protective material extending from the pliable protective cover, said flaps wrapped around solid rods, said flaps and rods sized for insertion into and retention by said lipped channels.

8. The watercraft of Claim 1, wherein the hull is a mono-hull.

9. The watercraft of Claim 8, further comprising two or more lower flanges extending outwardly from the sides of the hull below the foam and air stabilizers.

10. The watercraft of Claim 1, wherein the foam and air stabilizers are mounted above the static waterline.

11. The watercraft of Claim 1, wherein the hull is a planing hull and the foam and air stabilizers are mounted so said stabilizers are in contact with the water when said hull is stationary and out of the water when said hull is planing.

12. A foam- and air-stabilized watercraft for use on a body of water, the watercraft comprising:

(a) a multi-hull hull with a bow end, stern end, and two outwardmost sides; and

(b) foam and air stabilizers mounted on said outwardmost sides and extending along at least some portion of each of said outwardmost sides from said stern end to said bow end, said foam and air stabilizers extending outward from said outwardmost sides, said foam and air stabilizers further comprising at least one or more water- and air-tight bladders partially filled with pliable closed-cell foam.

13. The watercraft of Claim 13, further comprising a pliable protective material covering the exterior surface of the water- and air-tight bladders.

14. The watercraft of Claim 14, further comprising a zipper in the pliable protective material.

15. The watercraft of Claim 13, wherein the foam is a closed-cell polypropylene or polyethylene foam.

16. The watercraft of Claim 13, wherein the water- and air-tight bladders further comprise one or more internal fabric panels holding the foam in place within said water- and air-tight bladders.

17. The watercraft of Claim 13, wherein the water- and air-tight bladders further include one or more air valves in the skin of said bladders, permitting the inflation and deflation of said bladders.

18. The watercraft of Claim 13, further comprising one or more lipped channels mounted to the outwardmost sides of the hull, one or more flaps of the pliable protective material extending from the pliable protective cover, said flaps wrapped around solid rods, said flaps and rods sized for insertion into and retention by said lipped channels.

19. The watercraft of Claim 13, further comprising two or more lower flanges extending outwardly from the outwardmost sides of the hull below the foam and air stabilizers.

20. The watercraft of Claim 13, wherein the foam and air stabilizers are mounted above the static waterline.